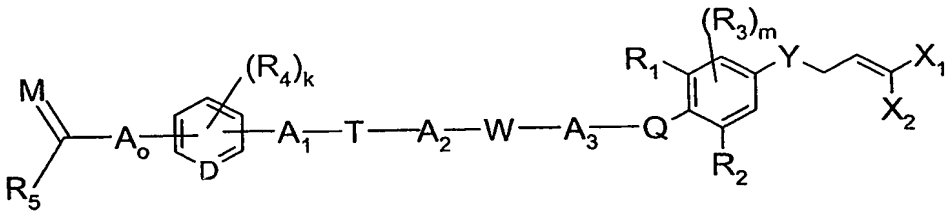
What is claimed is:

1. A compound of formula



(I),

wherein

A_0, A_1 and A_2 are each independently of the others a bond or a C_1-C_6alkylene bridge which is unsubstituted or substituted by from one to six identical or different substituents selected from halogen and C_3-C_8cycloalkyl;

A_3 is a C_1-C_6alkylene bridge which is unsubstituted or substituted by from one to six identical or different substituents selected from halogen and C_3-C_8cycloalkyl;

Y is O, NR_{11}, S, SO or SO_2;

M is O or NOR_6,

X_1 and X_2 are each independently of the other fluorine, chlorine or bromine;

R_1, R_2 and R_3 are each independently of the others H, halogen, OH, SH, CN, nitro, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkylcarbonyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_2-C_6alkynyloxy, -S(=O)-C_1-C_6alkyl, -S(=O)$_2$-C_1-C_6alkyl, C_1-C_6alkoxycarbonyl or C_3-C_6haloalkynyloxy; the substituents R_3 being independent of one another when m is 2;

Q is O, NR_{11}, S, SO or SO_2;

W is O, NR_{11}, S, SO, SO_2, -C(=O)-O-, -O-C(=O)-, -C(=O)-NR_{11}- or -NR_{11}-C(=O)-;

T is a bond, O, NR_{11}, S, SO, SO_2, -C(=O)-O-, -O-C(=O)-, -C(=O)-NR_{11}- or -NR_{11}-C(=O)-;

D is CH or N;

R_4 is H, halogen, OH, SH, CN, nitro, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkylcarbonyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_2-C_6alkynyloxy, -S(=O)-C_1-C_6alkyl, -S(=O)$_2$-C_1-C_6alkyl, C_1-C_6-

alkoxycarbonyl, C_3-C_6haloalkynyloxy, NH_2, $NH(C_1$-C_6alkyl) or $N(C_1$-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another; the substituents R_4 being independent of one another when k is greater than 1;

R_5 is C_1-C_{12}alkyl substituted by from one to five substituents selected from the group consisting of -N_3, NO_2, OH, C_3-C_8cycloalkyl, C_3-C_8cycloalkoxy, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyl, C_3-C_6haloalkynyloxy, C_3-C_8cycloalkyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxy-C_1-C_6alkoxy, -$P(=O)(OC_1$-C_6alkyl$)_2$, -$S(O)_q$-R_{13}, NH_2, $NH(C_1$-C_6alkyl),$N(C_1$-C_6alkyl$)_2$ wherein the two alkyl groups are independent of one another, -$N(R_7)_2$ wherein the two R_7s are independent of one another and -$NR_{14}S(O)qR_{15}$;

C_3-C_8cycloalkyl substituted by from one to five identical or different substituents selected from the group consisting of C_1-C_6alkyl, halogen, CN, NO_2, OH, C_1-C_6alkoxy, C_1-C_6haloalkoxy, NH_2, $NH(C_1$-C_6alkyl) and $N(C_1$-C_6alkyl$)_2$ wherein the two alkyl groups are independent of one another;

-$N(R_7)_2$ wherein the two R_7s are independent of one another;

-$C(=O)$-O-R_8; -$C(=O)$-R_9; -$C(=O)$-NH-R_9; -$C(=N$-O-$R_9)R_{10}$; -$C(=N$-NH-$R_9)R_{10}$; C_2-C_6alkenyl; C_2-C_6alkynyl; heterocyclyl; or

-$NR_{14}S(O)qR_{15}$

wherein the alkenyl and alkynyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five identical or different substituents selected from the group consisting of halogen, -N_3, CN, NO_2, OH, C_3-C_8cycloalkyl, C_1-C_6-alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_3-C_8cycloalkyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6-alkoxycarbonyl, C_1-C_6alkylcarbonyl-C_1-C_6alkyl, C_1-C_5alkoxycarbonyl-C_1-C_6alkyl, C_3-C_6haloalkynyl, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6haloalkoxy-C_1-C_6alkyl, C_2-C_6alkenyloxy-C_1-C_6alkyl, C_2-C_6haloalkenyloxy-C_1-C_6alkyl, C_3-C_6alkynyloxy-C_1-C_6alkyl, -$P(=O)(OC_1$-C_6alkyl$)_2$, -$S(O)_q$-R_{13}, NH_2, $NH(C_1$-C_6alkyl) and $N(C_1$-C_6alkyl$)_2$, wherein the two alkyl groups are independent of one another;

and wherein the heterocyclyl radical mentioned under R_5 are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five substituents selected from halogen, CN, NO_2, OH, SH, C_1-C_6alkyl, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6-haloalkenyl, C_3-C_6alkynyl, C_3-C_8cycloalkyl, C_3-C_8cycloalkyl-C_1-C_6alkyl, C_1-C_6alkoxy,

C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_3-C_8cycloalkyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl-C_1-C_6alkyl, C_1-C_6alkoxycarbonyl-C_1-C_6alkyl, C_1-C_6alkylthio, C_2-C_6alkenylthio, C_3-C_6alkynylthio, C_3-C_6cycloalkyl-C_1-C_6alkylthio, C_3-C_6haloalkynyl, C_2-C_6haloalkenylthio, C_1-C_6haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6haloalkoxy-C_1-C_6alkyl, C_2-C_6alkenyloxy-C_1-C_6alkyl, C_2-C_6haloalkenyloxy-C_1-C_6alkyl, C_3-C_6alkynyloxy-C_1-C_6alkyl, NH_2, $NH(C_1$-C_6alkyl), $N(C_1$-C_6alkyl$)_2$ wherein the two alkyl groups are independent of one another, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

or, when A_0 is a C_1-C_6alkylene bridge, R_5 is C_2-C_6alkylene bonded to one of the carbon atoms of A_0;

or, when R_4 and a group $-C(=NOR_6)R_5$ are in the ortho-position relative to one another, R_4 and R_5 together form a C_2-C_6alkylene bridge wherein one or two CH_2 groups each independently of the other may be replaced by O, NR_{12}, S or SO, and wherein the CH_2 groups are unsubstituted or mono- or di-substituted by halogen, OH, SH, CN, nitro, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy or C_1-C_6haloalkoxy;

R_6 is H, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_6alkylcarbonyl, C_2-C_6alkenyl, C_2-C_6alkynyl, aryl, heterocyclyl or benzyl, wherein the alkyl, cycloalkyl, alkenyl and alkynyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five identical or different substituents selected from the group consisting of halogen, $-N_3$, CN, NO_2, OH, SH, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_3-C_8cycloalkyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl-C_1-C_6alkyl, C_1-C_6alkoxycarbonyl-C_1-C_6alkyl, C_1-C_6alkylthio, C_2-C_6alkenylthio, C_3-C_6alkynylthio, C_3-C_6cycloalkyl-C_1-C_6alkylthio, C_3-C_6haloalkynyl, C_2-C_6haloalkenylthio, C_1-C_6haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6haloalkoxy-C_1-C_6alkyl, C_2-C_6alkenyloxy-C_1-C_6alkyl, C_2-C_6haloalkenyloxy-C_1-C_6alkyl, C_3-C_6alkynyloxy-C_1-C_6alkyl, NH_2, $NH(C_1$-C_6alkyl), $N(C_1$-C_6alkyl$)_2$ wherein the two alkyl groups are independent of one another, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

and the aryl, heterocyclyl and benzyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five identical or different substituents selected from the group consisting of halogen, CN, NO_2, OH, SH, C_1-C_6alkyl, C_1-C_6haloalkyl,

C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_3-C_6alkynyl, C_3-C_8cycloalkyl, C_3-C_8cycloalkyl-C_1-C_6alkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_3-C_8cycloalkyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl-C_1-C_6alkyl, C_1-C_6alkoxycarbonyl-C_1-C_6alkyl, C_1-C_6alkylthio, C_2-C_6alkenylthio, C_3-C_6alkynylthio, C_3-C_6cycloalkyl-C_1-C_6alkylthio, C_3-C_6haloalkynyl, C_2-C_6haloalkenylthio, C_1-C_6haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6haloalkoxy-C_1-C_6alkyl, C_2-C_6alkenyloxy-C_1-C_6alkyl, C_2-C_6haloalkenyloxy-C_1-C_6alkyl, C_3-C_6alkynyloxy-C_1-C_6alkyl, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

R_7 is H, C_1-C_6alkyl, C_1-C_3haloalkyl, C_1-C_6alkylcarbonyl, C_1-C_3haloalkylcarbonyl, C_1-C_6alkoxycarbonyl ,C_3-C_8cycloalkyl, C_3-C_8 cycloalkylcarbonyl or formyl;

R_8 is H, C_1-C_{12}alkyl substituted by from one to five identical or different substituents selected from halogen, -N_3, CN, NO_2, OH, C_1-C_6alkoxy, C_1-C_6alkylthio, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another and C_1-C_6alkylcarbonylamino; C_3-C_8cycloalkyl, C_1-C_6alkylcarbonyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, aryl, heterocyclyl or benzyl, wherein the aryl, heterocyclyl and benzyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five substituents selected from the group consisting of halogen, CN, NO_2, OH, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_3-C_6-alkynyl, C_3-C_8cycloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylthio, C_2-C_6alkenylthio, C_3-C_6alkynylthio, C_1-C_6alkylthio, C_3-C_6haloalkynyl, C_1-C_6haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6-alkyl)$_2$, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

R_9 is H, C_1-C_{12}alkyl unsubstituted or substituted by from one to five identical or different substituents selected from halogen, CN, NO_2, OH, C_1-C_6alkoxy, C_1-C_6alkylthio, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another and C_1-C_6alkylcarbonylamino; C_3-C_8cycloalkyl, C_1-C_6alkylcarbonyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, aryl, heterocyclyl or benzyl, wherein the aryl, heterocyclyl and benzyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five substituents selected from the group consisting

of halogen, CN, NO_2, OH, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_3-C_6alkynyl, C_3-C_8cycloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_2-C_6alkenyloxy, C_2-C_6haloalkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkynyloxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylthio, C_2-C_6alkenylthio, C_3-C_6alkynylthio, C_1-C_6alkylthio, C_3-C_6haloalkynyl, C_1-C_6haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

R_{10} is H, C_1-C_{12}alkyl unsubstituted or substituted by from one to five identical or different substituents selected from halogen, CN, NO_2, OH, C_1-C_6alkoxy, C_1-C_6alkylthio, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ and C_1-C_6alkylcarbonylamino; C_3-C_8cycloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, aryl, heterocyclyl or benzyl, wherein the aryl, heterocyclyl and benzyl radicals are unsubstituted or, depending upon the possibilities of substitution, substituted by from one to five identical or different substituents selected from the group consisting of halogen, CN, NO_2, OH, SH, C_1-C_6alkyl, C_1-C_6haloalkyl, C_3-C_8cycloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylcarbonyl, C_1-C_6haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkyl, NH_2, NH(C_1-C_6alkyl), N(C_1-C_6alkyl)$_2$ wherein the two alkyl groups are independent of one another, C_1-C_6alkylcarbonylamino, C_1-C_6haloalkylcarbonylamino, C_1-C_6alkoxycarbonylamino and C_1-C_6alkylaminocarbonylamino;

R_{11} and R_{12} are each independently of the other H, C_1-C_6alkyl, C_1-C_3haloalkyl, C_1-C_6alkylcarbonyl, C_1-C_3haloalkylcarbonyl, C_1-C_6alkoxycarbonyl, C_3-C_8cycloalkyl, C_3-C_8cycloalkyl-C_1-C_6alkyl or C_3-C_8cycloalkylcarbonyl;

R_{13} is H, C_1-C_6alkyl, C_2-C_6alkenyl, C_3-C_6alkynyl or C_1-C_6haloalkyl;

R_{14} is H, C_1-C_6alkyl, C_2-C_6alkenyl, C_3-C_6alkynyl or C_1-C_6haloalkyl;

R_{15} is H, C_1-C_6alkyl, C_2-C_6alkenyl, C_3-C_6alkynyl or C_1-C_6haloalkyl;

k is 0, 1, 2, 3 or 4;

m is 1 or 2; and

q is 0, 1 or 2;

or, where applicable, a possible E/Z isomer, E/Z isomeric mixture and/or tautomer thereof, in each case in free form or in salt form.

2. The compound according to claim 1 wherein M is NOR_6,

3. The compound according to claim 1 wherein M is O.

4. The compound according to any one of claims 1 to 3 in free form.

5. A compound according to any one of claims 1 to 4 wherein X_1 and X_2 are chlorine or bromine.

6. A compound according to any one of claims 1 to 5 wherein D is CH.

7. A compound according to any one of claims 1 to 6 wherein A_3 is straight-chain alkylene bridge.

8. A compound according to any one of claims 1 to 7 wherein R_5 is C_1-C_{12}alkoxy-C_1-C_{12}alkyl.

9. A compound according to any one of claims 1 to 7 wherein R_5 is heterocyclyl.

10. A pesticidal composition which comprises as active ingredient at least one compound defined in any one of claims 1 to 9 , in free form or in agrochemically acceptable salt form, and at least one adjuvant.

11. A method of controlling pests which comprises applying a pesticidal composition as defined in claim 10 to the pests or to the locus thereof.